

# **Tools and Resources Workshop for Communities to Reduce Toxics**

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Location

Date

# Introductions

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- ❑ Welcome by host and EPA
- ❑ Workshop objectives:
  1. Highlight funding opportunities
  2. Help you submit a better application – how to structure your project and tips for writing
  3. Raise awareness of technical tools that you can be used to further assess your environment (for grants and other uses)
- ❑ Introduce yourself: What would you like to get out of the workshop? What are your environmental concerns?
- ❑ Agenda

# Community Project Success Stories

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Many communities in our Region have already found success. Here are some examples:

□ Environmental Justice Grants:

- Lao Family Community of Fresno
- Arizona Department of Health Services Center for Minority Health. Phoenix, AZ
- Neighborhood House of North Richmond, CA

□ CARE Grants:

- Level 1&2: Pacoima Beautiful
- Level 2: SERI Tucson
- Level 2: West Oakland


# **EPA Funding**

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Tips for applying and overview of EPA grant programs

# EPA Region 9 Grants

<http://www.epa.gov/region09/funding>



**Region 9 Funding Home**  
**Requirements**  
**Applying for a Grant**  
**Managing a Grant**  
**Available Grants**  
**Funding Solicitations**

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

## Region 9: Grants & Funding

Serving Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations

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You are here: [EPA Home](#) » [Region 9](#) » Grants

EPA provides financial assistance grants to qualified applicants to support a variety of environmental programs and activities. EPA Region 9 works within the context of [EPA's national grants program](#) to provide funding opportunities specific to EPA's Pacific Southwest Region.

### Information for Applicants


**[Before You Apply](#)**  
You should be familiar with federal grant requirements before you apply. These requirements, established in law , Executive Order, federal regulation, and the OMB Circulars, often vary depending on the type of organization applying. For example, they establish which costs may be charged to a federal grant, how open competition is required for equipment, supplies, and contracts procured under a grant, and what efforts that must be taken to contract with women- and minority-owned firms.

**[Applying for a Grant](#)**  
If you have been asked to submit a formal application for a grant by an EPA project officer or your proposal has been formally selected for funding by EPA Region 9, please follow these guidelines. In many cases, EPA Region 9 will send you additional guidance information with a Region 9 tracking number to help you apply for your specific program/project. If you are submitting a grant *proposal*, however, there is a different procedure (see [Requests for Proposals](#)).

**[Managing Your Grant](#)**  
Information for EPA grant recipients, including regulations, common forms, reports, and

**Current Funding Information**

- [Available Grants](#)**
- [Funding Solicitations](#)**  
Requests for proposals for grants and cooperative agreements



**Region 9 CARE Projects**

# EPA Grants

<http://www.epa.gov/ogd/>



U.S. Environmental Protection Agency

Grants and Debarment

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Grants and Debarment

[Mandatory Grant's Management Training for Non-Profit Applicants and Recipients](#) - EPA's new recipient course designed to help non-profit recipients and applicants understand assistance agreement regulations, the application process, management of their assistance agreements and the close out process. Completion of this class is mandatory for all non-profit award recipients upon receipt of monetary actions effective October 1, 2007. Please check your award document for the term and condition.

- [Desk Top Resource](#)
- [Guide on How to Prepare an Indirect Cost Rate Proposal for a Non-Profit Organization](#) (35 pp, 276 K, [About PDF](#))
- [Stay Exempt - How can you keep your 501\(c\)\(3\) exempt?](#) [EXIT Disclaimer](#)

[Find Current Funding Opportunities](#) - Contains information on CFDA Catalogue, Grants Competition, Small Business Gateway and Open Announcements, and Grants.gov

OMB Launches Interim Web Site - [WWW.FederalSpending.Gov](#) [EXIT Disclaimer](#) - Solicits Feedback from Public on How to Improve Transparency [Exit EPA Disclaimer](#)

[How to Apply](#) - Find information on the grant tutorial, headquarters grant application requirements and forms.

[EPA Grantee Forms](#) - Find all EPA and OMB grant related forms.

[Grant and Fellowship Information](#) - Locate information about grant and fellowship programs offered by EPA offices.

[Open Announcements](#) - Locate up-to-date information on open announcements

State Grants

Find Current Funding Opportunities

How to Apply

EPA Grantee Forms

Grant and Fellowship Information

Open Announcements

Closed Announcements/  
Pending Awards

Grant Awards Database

Desk Top Resource

Policy, Regulations and Guidance

Project Officer Manual

Suspension and Debarment Program

Find the Grant Regional



# All Federal Grants

<http://www.grants.gov>

The screenshot shows the Grants.gov website. At the top, the logo consists of three red curved lines above the text "GRANTS.GOV<sup>SM</sup>". To the right of the logo are links for "Contact Us", "Site Map", and "Help". Below the logo, a horizontal row of five circular images depicts various scenes: a hand writing on a chalkboard, two construction workers in hard hats, a group of people in a meeting, a woman holding a molecular model, and a view of Earth from space. Below these images is the slogan "Find. Apply. Succeed." in a large, blue, italicized font. To the left of the main content is a vertical navigation menu with the following items: "FOR APPLICANTS" (with sub-links "Find Grant Opportunities", "Get Registered", "Apply for Grants", and "Track Your Application" in red), "ABOUT GRANTS.GOV", "FOR AGENCIES", "APPLICANT SYSTEM-TO-SYSTEM", "RESOURCES", "HELP", "CONTACT US", and "SITE MAP". To the right of the main content is a blue sidebar containing a link to "Click here to receive our Quarterly Succeed e-newsletter" and a "Quick Links" section with the following links: "Grant Search", "Grant Email Alerts", "Get Registered", "Applicant Login", "E-Biz POC Login", "Agency Login", "New Agency Users", and "Browser Plugins". At the bottom of the main content area, a text block states: "Grants.gov is your source to **FIND** and **APPLY** for federal government grants. There are over 1,000 grant programs offered by all federal grant making agencies. The U.S. Department of Health and Human Services is proud to be the managing partner for Grants.gov, an initiative that is having an unparalleled impact on the grant community. Grants.gov allows organizations to electronically find and apply for more than \$400 billion in federal grants." Below this text is a link: "To find out if you are eligible for grant opportunities offered on this site, [click here](#)." At the very bottom, a "PLEASE NOTE" box contains the following text: "PLEASE NOTE: If you are in need of personal financial assistance such as Social Security/Supplemental Security Income, Medicaid or State Social Services, you can find help at [www.GovBenefits.gov](http://www.GovBenefits.gov). This type of individual assistance is not available on this website. If you are interested in student loans, please go to [www.Studentaid.ed.gov](http://www.Studentaid.ed.gov). If you are a small business looking for a loan, please visit the [Small Business](#)". The bottom of the browser window shows a taskbar with an "Internet" icon.

GRANTS.GOV<sup>SM</sup>

Contact Us Site Map Help

FOR APPLICANTS

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Get Registered  
Apply for Grants  
Track Your Application

ABOUT GRANTS.GOV

FOR AGENCIES

APPLICANT SYSTEM-TO-SYSTEM

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SITE MAP

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*Find. Apply. Succeed.*

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To find out if you are eligible for grant opportunities offered on this site, [click here](#).

**PLEASE NOTE:** If you are in need of personal financial assistance such as Social Security/Supplemental Security Income, Medicaid or State Social Services, you can find help at [www.GovBenefits.gov](http://www.GovBenefits.gov). This type of individual assistance is not available on this website. If you are interested in student loans, please go to [www.Studentaid.ed.gov](http://www.Studentaid.ed.gov). If you are a small business looking for a loan, please visit the [Small Business](#)

Internet

# Email Subscription—

[http://www.grants.gov/applicants/email\\_subscription.jsp](http://www.grants.gov/applicants/email_subscription.jsp)



The screenshot shows the Grants.gov website's email subscription page. The header features the Grants.gov logo and navigation links: Contact Us, Site Map, Help, and Home. A left sidebar contains a menu for applicants, with 'Email Subscription' highlighted. The main content area is titled 'EMAIL SUBSCRIPTION' and includes a breadcrumb trail: Home » For Applicants » Find Grant Opportunities ». The text explains that users can register for email notifications of new grant postings. Three subscription options are listed: 'All Grant Notices' (daily notifications), 'Notices Based on Advanced Criteria' (notifications based on specific criteria like funding instrument type), and 'Notices Based on Funding Opportunity Number' (notifications based on the FON). An 'Unsubscribe from Grant Notices' option is also provided. A right sidebar contains a link to the 'Quarterly Succeed e-newsletter' and a list of 'Quick Links' including Grant Search, Grant Email Alerts, Get Registered, Applicant Login, E-Biz POC Login, Agency Login, New Agency Users, and Browser Plugins.

**GRANTS.GOV<sup>SM</sup>**

Contact Us Site Map Help Home

**FOR APPLICANTS**

**Find Grant Opportunities**

- Basic Search
- Browse by Category
- Browse by Agency
- Advanced Search
- **Email Subscription**
  - All Grants
  - Advanced Criteria
  - Specific FON
  - Unsubscribe
- Get Registered
- Apply for Grants
- Track Your Application

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## EMAIL SUBSCRIPTION

Register now and receive notifications of new grant postings delivered right to your email inbox. You do not need to be a registered user of Grants.gov to sign up for this service. You can add to your email subscriptions or unsubscribe at any time.

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Receive daily notification of all new grant opportunities.
- ◉ [Notices Based on Advanced Criteria](#)  
Select notifications based on specific criteria such as funding instrument type, eligibility or sub-agency.
- ◉ [Notices Based on Funding Opportunity Number](#)  
Select this option to receive notifications based on Funding Opportunity Number (FON). A FON is a number that a federal agency assigns to its grant announcement.
- ◉ [Unsubscribe from Grant Notices](#)  
You can unsubscribe at any time. To remove one or more subscriptions, first unsubscribe from all subscriptions, then re-subscribe to the subscriptions you want to keep.

Click here to receive our Quarterly Succeed e-newsletter

### Quick Links

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# Overview of EPA Grants

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- ❑ Today's focus is on grant programs available to non-profit and community-based organizations.
- ❑ EPA grants involve strong oversight, with a direct relationship with an EPA project officer.
- ❑ Grants generally last 1-3 years.
- ❑ Most EPA grants for non-profits and community based organizations are awarded through a competitive process.
- ❑ Other resources: Community Action for a Renewed Environment (CARE) *Community Guide to EPA's Voluntary Programs*:  
[www.epa.gov/care/library/guide\\_vol\\_progs\\_2006.pdf](http://www.epa.gov/care/library/guide_vol_progs_2006.pdf)

# Environmental Justice (EJ) Small Grants

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- EJ Small Grants are used to:
  - identify concerns,
  - educate and involve,
  - form broad partnerships, and
  - develop a plan of action.



- Amount: \$20,000
- 2008 RFP: applications due June 30, 2008
- Contact: Karen Henry (415) 972-3844 or Henry.Karen@epa.gov
- Website:  
[www.epa.gov/compliance/environmentaljustice/grants/ej-smgrants.html](http://www.epa.gov/compliance/environmentaljustice/grants/ej-smgrants.html)

# Community Action for a Renewed Environment (CARE)

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- ❑ CARE grants seek to reduce exposures to pollutants through collaborative action at the local level by:
  - forming partnerships,
  - identifying environmental problems and solutions,
  - taking action, and
  - becoming sustainable.
  
- ❑ Amount: \$90,000 - \$300,000 for two year projects



# Community Action for a Renewed Environment (CARE)

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- ❑ 2009 RFP: expected December 2008
- ❑ Contact: Mike Bandrowski (415) 947-4194 or Bandrowski.Mike@epa.gov
- ❑ Website: <http://www.epa.gov/care/>



# Brownfields

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- ❑ Definition of brownfield: “property where the expansion, redevelopment, or reuse is complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant”
- ❑ EPA Brownfields Program provides funding for brownfields assessment, cleanup, revolving loans, and environmental job training.



# Brownfields

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- ❑ Non-profit community groups may receive Training, Research, and Technical Assistance Grants.
- ❑ Amount: up to \$200,000.
- ❑ 2008 RFP: expected in Sept. 2008
- ❑ Contact: Debbie Schechter (415) 972-3093 or [Schechter.Debbie@epa.gov](mailto:Schechter.Debbie@epa.gov)
- ❑ Website: [www.epa.gov/brownfields/pilot.htm](http://www.epa.gov/brownfields/pilot.htm)

# West Coast Diesel Collaborative

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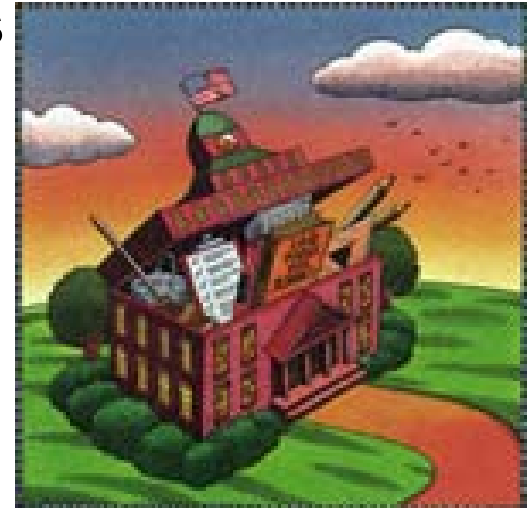
- ❑ The West Coast Collaborative funds innovative projects that reduce emissions from diesel engines, including: emissions control technologies, idling reduction, cleaner fuels, and alternative fuel production, distribution, and use.
- ❑ Amount: \$75,000 - \$300,000
- ❑ 2008 RfP complete. 2009 RfP expected in late 2008.
- ❑ Contact: Kristin Riha at (415) 947-4140 or [Riha.Kristin@epa.gov](mailto:Riha.Kristin@epa.gov) or Trina Martynowicz at (415) 972-3474 or [Martynowicz.Trina@epa.gov](mailto:Martynowicz.Trina@epa.gov)
- ❑ Website: [www.westcoastdiesel.org](http://www.westcoastdiesel.org)



# Indoor Air Quality (IAQ) Tools for Schools

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- ❑ The IAQ Tools for Schools Program helps schools maintain a healthy school buildings by identifying, correcting, and preventing IAQ problems.
- ❑ Recipients include school districts, non-profit and community-based organizations, academic institutions, and local, state, and tribal governments.
- ❑ Amount: \$5,000 - \$30,000
- ❑ 2008 RFP: not released yet
- ❑ Contact: Shelly Rosenblum at (415) 947-4193 or [Rosenblum.Shelly@epa.gov](mailto:Rosenblum.Shelly@epa.gov)
- ❑ Website: [www.epa.gov/iaq/schools/](http://www.epa.gov/iaq/schools/)



# Superfund Technical Assistance Grants

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- ❑ Technical Assistance Grants (TAGs) help communities participate in decision making at eligible Superfund sites. Funds can be used to contract with technical advisors to help the community understand technical information about their site.
- ❑ Amount: up to \$50,000
- ❑ Contact: David Cooper (415) 972-3858 or [Cooper.David@epa.gov](mailto:Cooper.David@epa.gov)
- ❑ Website: [www.epa.gov/superfund/community/tag/2](http://www.epa.gov/superfund/community/tag/2)



# Community-Based Lead Grant Program

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- ❑ The National Community-Based Lead Outreach and Training Grant Program promotes efforts to prevent or reduce childhood lead poisoning. The funds enable communities to educate those at risk, provide lead-awareness training and promote the development of local lead prevention ordinances.



- ❑ Amount: up to \$250,000
- ❑ 2008 RFP: closed March 31 ([www.epa.gov/lead/pubs/rfp\\_2-8-08.pdf](http://www.epa.gov/lead/pubs/rfp_2-8-08.pdf))
- ❑ 2009 RFP: not scheduled yet
- ❑ Contact: Darlene Watford at (202) 566-0516 or [Watford.Darlene@epa.gov](mailto:Watford.Darlene@epa.gov)
- ❑ Website: [www.epa.gov/lead/pubs/grantmap.htm](http://www.epa.gov/lead/pubs/grantmap.htm)



# Before You Begin Your Application

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- ☐ Know your needs.
- ☐ Research prospective funders.
- ☐ Pick the right funding source.
- ☐ Read the full Request For Proposals (RFP) carefully.

# The Proposal

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- ☐ Proposal Summary – outline the project, but be brief.
- ☐ Introduction of the Organization – build credibility for your organization, include success stories.
- ☐ Problem Statement – use data or statistics, make a case for your project.
- ☐ Project Objectives – create specific measurable outcomes.
- ☐ Activities – detail tasks with a timeline.

# The Proposal

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- ❑ Expected Outcomes – list project results, deliverables, and environmental impact.
- ❑ Environmental Results and Evaluation – include a process for measuring results, explain short and long term environmental, health, and behavioral results of the project.

# The Budget

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- ☐ Your budget is an estimate, but be specific.
  - Round to nearest dollars or tens.
  - Include explanatory notes.
- ☐ Budget “Red Flags”
  - Unexplained high costs for:
    - ☐ Travel
    - ☐ Contractors
    - ☐ Equipment
    - ☐ Indirect Costs
  - Math Errors

# Writing Tips

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## ☐ Style and Format:

- Organize your proposal according to the RFP.
- Make your proposal clear and easy to understand.
- Don't assume that the reviewer knows anything about you or your proposal.

## ☐ Presentation:

- Make sure you meet all the requirements/application is complete
- Meet the deadlines!!! (Get a password ahead of time for online submittals)
- Check grammar, spelling, typos.
- Stay within page, margin, and font limits.



# Other Tips

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- ☐ Can submit same project to multiple organizations (no duplicative funding, tailor proposal).
- ☐ Obtain copies of a successful, funded application.
- ☐ If not funded, ask to be debriefed and resubmit.
- ☐ Be aware of non-profit requirements if your project is funded:
  - Grant Management Training for Non-Profit Applicants and Recipients.
  - Pre-Award Administrative Capability Review (if grant is >250K).

# Grant Focus

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Environmental Justice (EJ) Grants

# Environmental Justice

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- “EPA recognizes that minority and/or low-income communities may be exposed disproportionately to environmental harms and risks.”

- Granta Nakayama testimony to the United States Senate

[www.epa.gov/compliance/resources/policies/ej/ej-testimony-10-4-07.pdf](http://www.epa.gov/compliance/resources/policies/ej/ej-testimony-10-4-07.pdf)

- EPA defines Environmental Justice as the “fair treatment and meaningful involvement of all people regardless of race, color, national origin, or income with respect to the development, implementation, and enforcement of environmental laws, regulations, and policies”

# Why EJ grant program?

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- EJ Small Grants

- Created to help build organizational capacity of grassroots communities and lay groundwork for strong community leadership. For capacity building and education. (15-50K)

# Examples: Education

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Lao Family Community of Fresno, Inc., \$15,000

- ☐ Multi-lingual educational brochures on environmental issues
- ☐ Educational workshops to increase the community's understanding of environmental issues
- ☐ Multi-lingual radio talk shows on water, air and toxic waste issues.



# Example: Environmental Education

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Arizona Department of Health Services Center for  
Minority Health. Phoenix, AZ . \$18,585

- ❑ Served migrant and seasonal farm workers and the general public in southeastern Arizona
- ❑ Wrote espectáculo público (a play) depicting a family learning to protect themselves from pesticide-related illnesses.
- ❑ Local community theater group performed play
- ❑ Wrote Spanish-language picture book

# Example: Community Monitoring

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Neighborhood House of North Richmond, CA. \$15,000

- ☐ Community-Driven Assessment of Heavy-Duty mobile sources in inner West Contra Costa County
- ☐ Estimated Particulate Matter (PM) emissions related to heavy duty mobile sources in the area
- ☐ Performed limited Indoor Air Monitoring of particulate matter concentrations to document the extent of heavy-duty mobile source pollution coming into homes
- ☐ Organized Outreach & Education to disseminate research findings to larger community

# Grant Focus

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Community Action for a Renewed  
Environment (CARE) Grants

# Four-step CARE process

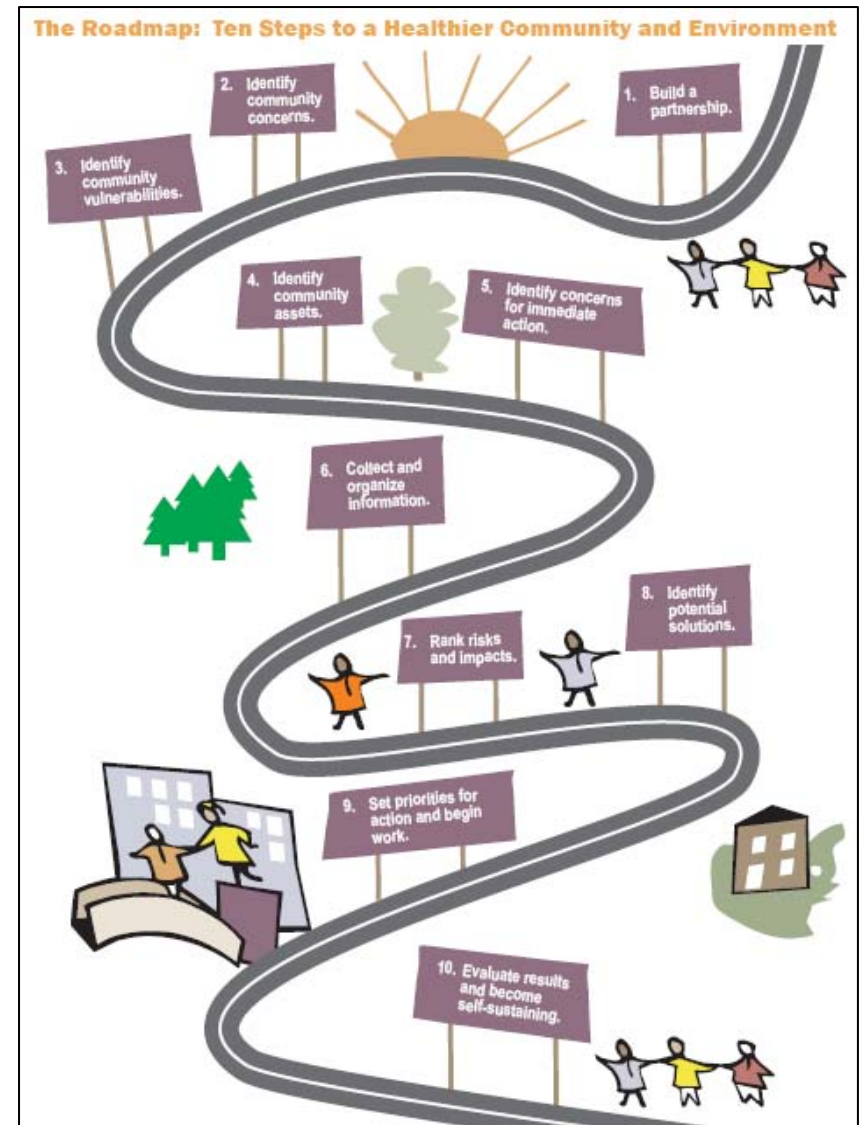
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1. Build a Partnership
2. Identify Problems and Solutions
3. Take Action
4. Sustainability

# CARE Roadmap

1. Build a partnership
2. Identify community concerns
3. Identify community vulnerabilities
4. Identify community assets
5. Identify concerns for immediate action
6. Collect and organize information
7. Rank risks and impacts
8. Identify potential solutions
9. Set priorities for action and begin work
10. Evaluate results and become self-sustaining



# Building a CARE Partnership

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- ☐ CARE encourages formation of a broad partnership to find solutions
- ☐ Should identify:
  - who is being impacted?
  - who can provide technical support?
  - who has the ability to fix the problem?

# Building a CARE Partnership

## Example: Pacoima Beautiful

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Partners include:

- ☐ Community residents
- ☐ Academic: professors, high school and college students
- ☐ Regulatory agencies: EPA, California Department of Toxic Substances Control, Water Board, Air Resources Board, City of Los Angeles
- ☐ Health organizations: County Health Department, health services organizations
- ☐ Legal resources
- ☐ Business development organizations
- ☐ Elected officials



# Community Concerns

## Example: Pacoima Beautiful

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### Point Sources

- Major sources (individually permitted) – such as brickyards, power generating stations, boilers
- Smaller sources – such as autobody shops, dry cleaners, gas stations, chrome electroplaters

### Mobile Sources

- Diesel trucks and diesel equipment
- Highway vehicles,
- Airports,
- Rail – locomotives

### Waste

- Hazardous waste management (facilities and transport)
- Illegal dumping of trash and bulky items

# Community Concerns

## Example: Pacoima Beautiful

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### Soil Contamination

- Underground storage tanks
- Historical unlined sumps, landfills
- Historical lead or other metals

### Indoor Environment

- Second-hand smoke
- Indoor cleaners
- Radon
- Mold and dust mites/allergens
- Lead paint
- Vapor intrusion from contaminated soil

### Water

- Drinking water
- Wetlands, streams, lakes

# Grant Focus

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Superfund Technical Assistance Services for  
Communities (TASC)

Luis Garcia-Bakarich  
US EPA Community Involvement Coordinator

# TASC

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- ❑ Contract – That provides unbiased technical assistance via information and experts to communities affected by hazardous wastes
- ❑ Assistance is intended to help a community better understand hazardous waste issues to be a more effective participant in the decision making process

# TASC Technical Experts

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- ☐ Environmental engineers and scientists from private companies
- ☐ Part of a network of experts that EPA has contracted with to provide these services
- ☐ Often the individuals are local

# How can TASC help?

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- ☐ Answer questions about exposure to hazardous wastes
- ☐ Educate the community on the scientific, engineering, health or economic concepts
- ☐ Help a community to better understand cleanup technologies and their effectiveness
- ☐ Explain the cleanup process and how to become involved in the process.

# TASC Services

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## Information Assistance

- Directing community members to already existing, applicable technical assistance materials and providing information as necessary
- Preparing fact sheets, brochures, technical summaries, maps, and diagrams

## Community Education

- Identifying community needs for technical education/training
- Providing technical experts to participate in trainings, workshops and meetings.
- Translating educational, outreach, and technical documents into other languages

## Technical Expertise

- Reviewing, interpreting, and explaining technical materials
- Helping communities to generate possible strategies and options for dealing with environmental problems



# Contacts

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## □ TASC – Regional Coordinator

- Luis Garcia-Bakarich

(415) 972-3237

[garcia-bakarich.luis@epa.gov](mailto:garcia-bakarich.luis@epa.gov)

# **Tools for Identifying Environmental Risks in Communities**

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Goal:

How to understand and talk about the toxic problems you face

# Tools Overview

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- ☐ Background on environmental risks and health
- ☐ Community vulnerabilities to consider
- ☐ How to get more information

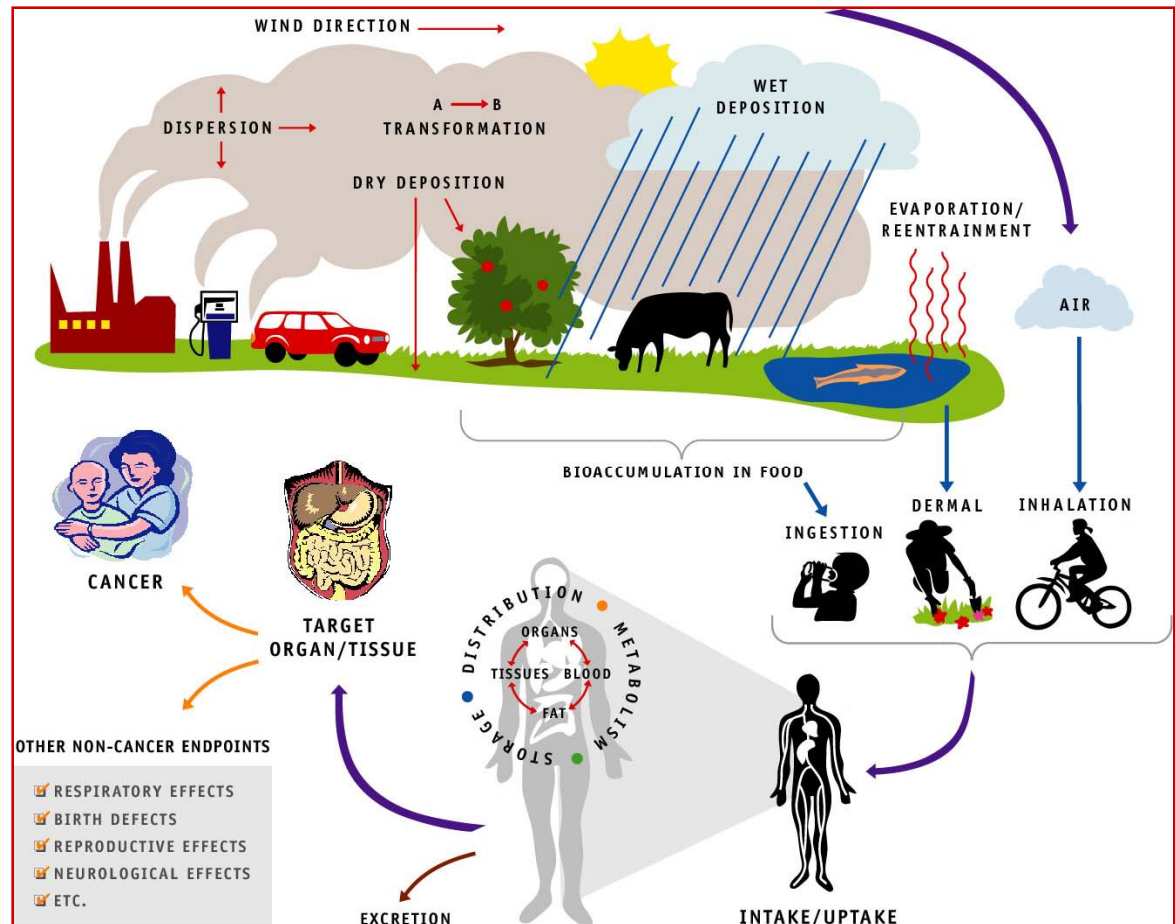
# Environmental Risks and Health

Communities often say:

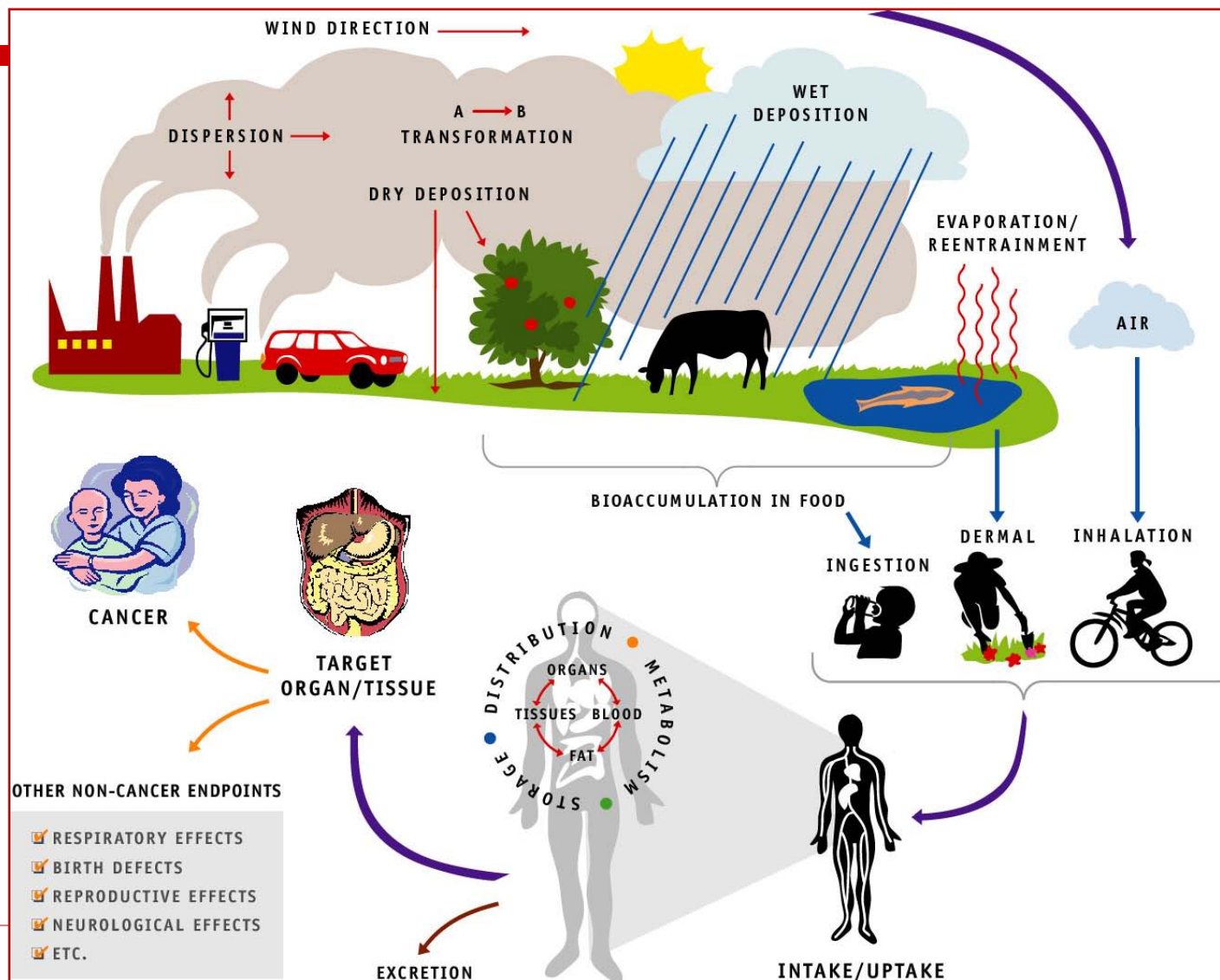
- ☐ I have a health problem
- ☐ I am concerned about a polluter

Challenge:

- ☐ Showing the link between the two



# Environmental Risks and Health



# Community Vulnerabilities

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Your community might have more impact from a polluter because:

- ☐ Multiple sources/chemicals may overwhelm your body's ability to cope
- ☐ Some people, such as young or old, or those with a genetic predisposition, may be more sensitive
- ☐ Certain practices (e.g. subsistence fishing) may increase exposures
- ☐ Many people in the community may already suffer from emotional stress, poor nutrition, or reduced access to health care, decreasing their ability to recover from environmental impacts

# Applying for a Grant: What do you propose?

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Two complementary options:

- ☐ Community-based assessment
- ☐ Community-based toxics reduction project



# Community-Based Assessment

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What is it?

- ☐ Communities working with partners to evaluate toxic concerns.
- ☐ Can be a first step in getting toxic reductions.
- ☐ Goals of assessment:
  - To agree about what are the biggest concerns and what's causing them
  - To point towards effective action
  - For communities, it can be an advocacy tool

# Community-Based Toxic Reductions

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- ☐ Provides collaborative solutions for things that “fall through the cracks”
- ☐ Provides solutions that are sensitive to local needs
- ☐ Leads to sustainability
- ☐ Does not get regulators off the hook
- ☐ Collaborative work does not stop communities from still being advocates


# Local Monitoring

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- ❑ Many communities want a monitor in their neighborhood
- ❑ Monitoring is fairly easy to understand and people trust the results
- ❑ Challenges:
  - Agencies have discretion on placing a monitor, but have to balance a lot of issues
  - Expensive and it takes a long time to get results
  - Limited coverage across an area and over time
  - Not all toxics can be measured
  - Identifying the source of a toxic can be difficult

# Ambient Air Monitoring Data

www.epa.gov/oar/data/

EPA AirData - Monitor Values Report - Hazardous Air Pollutants - Mozilla Firefox																
File Edit View Go Bookmarks Tools Help																
http://iaspub.epa.gov/airsdata/adhap.monvals?geotype=co&geocode=06037&geoinfo=%3Fco%7E06037%7ELos+Angeles+Co%2C+California& Go																
 <b>AirData</b> <a href="#">Recent Additions</a>   <a href="#">Contact Us</a> Search: <input type="text"/> <input type="button" value="GO"/>																
<a href="#">EPA Home</a> > <a href="#">Air &amp; Radiation</a> > <a href="#">AirData</a> > <a href="#">Reports and Maps</a> > <a href="#">Select Geography</a> > <a href="#">Select Report/Map</a> > <a href="#">Monitor Values Report - Criteria</a> > Monitor Values Report																
<b>Monitor Values Report - Hazardous Air Pollutants</b>																
<b>Geographic Area:</b> Los Angeles Co, CA <b>Pollutant:</b> Acetaldehyde, Acrolein, Arsenic (TSP), Benzene (including benzene from gasoline), Carbon tetrachloride, Chromium (TSP), Formaldehyde, Lead (TSP), Manganese (TSP), Naphthalene, Tetrachloroethylene (Perchloroethylene), Xylenes (mixed isomers) <b>Year:</b> 2005																
46 Rows																
See <a href="#">Disclaimer</a>																
Pollutant Values																
Row #	# Obs	1st Max	2nd Max	3rd Max	4th Max	Mean	Units	Pollutant Name	Monitor ID	Site Address	City	County	State	EPA Region	Site Detail	
<a href="#">SORT</a>	<a href="#">▲▼</a>	<a href="#">▲▼</a>	<a href="#">▲▼</a>	<a href="#">▲▼</a>	<a href="#">▲▼</a>	<a href="#">▲▼</a>	<a href="#">▲▼</a>	<a href="#">▲▼</a>	<a href="#">▲▼</a>	<a href="#">▲▼</a>	<a href="#">▲▼</a>	<a href="#">▲▼</a>	<a href="#">▲▼</a>	<a href="#">▲▼</a>	<a href="#">▲▼</a>	<a href="#">▲▼</a>
1	28	6.8	6.7	6.5	5.9	3.51	ppbC	Formaldehyde	06-037-0002-43502-1	803 N. Loren Ave., Azusa	Azusa	Los Angeles Co	CA	09	<a href="#">See All HAPs</a>	
2	28	7	6.8	6.4	6.2	3.58	ppbC	Acetaldehyde	06-037-0002-43503-1	803 N. Loren Ave., Azusa	Azusa	Los Angeles Co	CA	09	<a href="#">See All HAPs</a>	
3	29	15.3	4.5	4.2	3.9	2.166	ppbC	Acrolein	06-037-0002-43505-5	803 N. Loren Ave., Azusa	Azusa	Los Angeles Co	CA	09	<a href="#">See All HAPs</a>	
4	29	.48	.32	.28	.26	.149	ppbC	Tetrachloroethylene (Perchloroethylene)	06-037-0002-43817-4	803 N. Loren Ave., Azusa	Azusa	Los Angeles Co	CA	09	<a href="#">See All HAPs</a>	
5	240	11.46	10.95	10.31	9.14	2.674	ppbC	Benzene (including benzene from gasoline)	06-037-0002-45201-1	803 N. Loren Ave., Azusa	Azusa	Los Angeles Co	CA	09	<a href="#">See All HAPs</a>	
6	60	8.24	8.1	6.29	5.54	2.971	ppbC	Benzene (including benzene from gasoline)	06-037-0002-45201-2	803 N. Loren Ave., Azusa	Azusa	Los Angeles Co	CA	09	<a href="#">See All HAPs</a>	
7	29	7.2	6.6	4.7	4.5	2.876	ppbC	Benzene (including benzene from gasoline)	06-037-0002-45201-4	803 N. Loren Ave., Azusa	Azusa	Los Angeles Co	CA	09	<a href="#">See All HAPs</a>	
8	653	19.9	18.3	17.9	16.9	6.35	ppbC	Formaldehyde	06-037-1002-43502-1	228 W. Palm Ave., Burbank	Burbank	Los Angeles Co	CA	09	<a href="#">See All HAPs</a>	
9	47	11.8	8	7.4	7.1	4.06	ppbC	Formaldehyde	06-037-1002-43502-2	228 W. Palm Ave., Burbank	Burbank	Los Angeles Co	CA	09	<a href="#">See All HAPs</a>	

# Air Monitoring Data: What Does It Mean?

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- ❑ Criteria Pollutants (e.g. ozone, particulate matter):
  - Compare to National Ambient Air Quality Standards ([www.epa.gov/air/criteria.html](http://www.epa.gov/air/criteria.html))



- ❑ Air Toxics:
  - Evaluate against health-based screening levels
  - EPA provides guidelines for this analysis ([www.epa.gov/Region4/air/airtoxic/Screening-041106-KM.pdf](http://www.epa.gov/Region4/air/airtoxic/Screening-041106-KM.pdf))

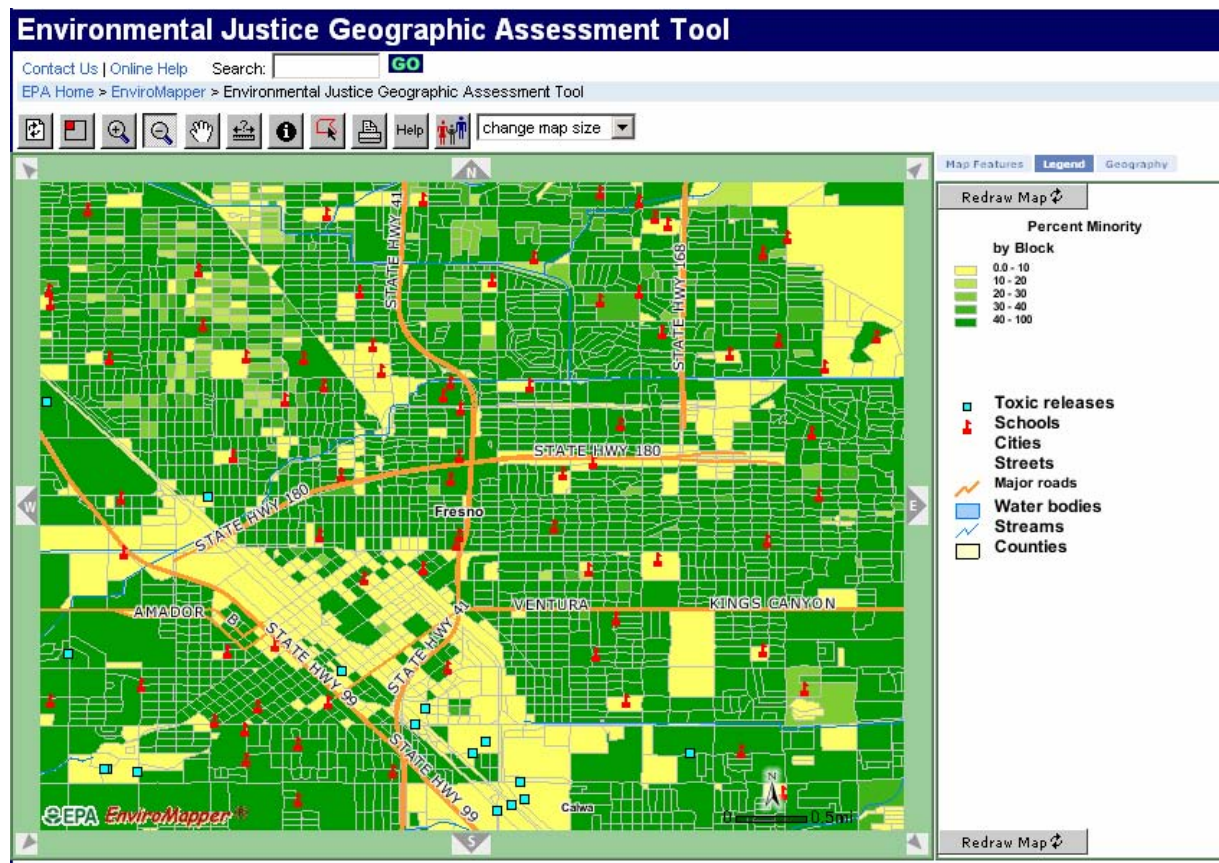
# What is the Environmental Justice Geographic Assessment Tool (EJGAT)?

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- ☐ EJGAT enables users to create Environmental Justice profiles of selected areas.
- ☐ The maps can be customized to show demographics, facilities, transportation, and environmental data.
- ☐ Visit EJGAT at [www.epa.gov/enviro/ej](http://www.epa.gov/enviro/ej)

# EJGAT Map (Fresno Slide)

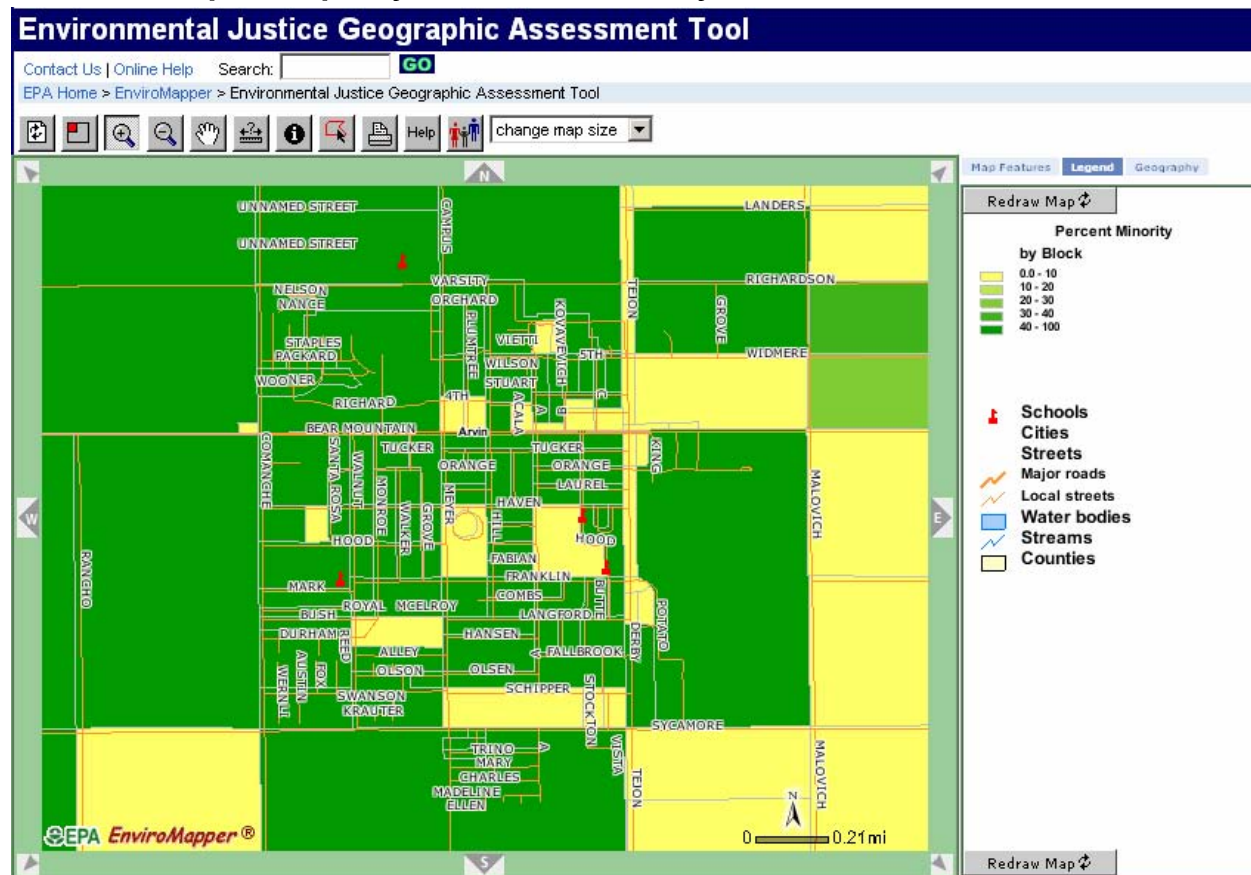
- This map displays % minority, TRI facilities, & schools in Fresno





# EJGAT Map (Arvin)

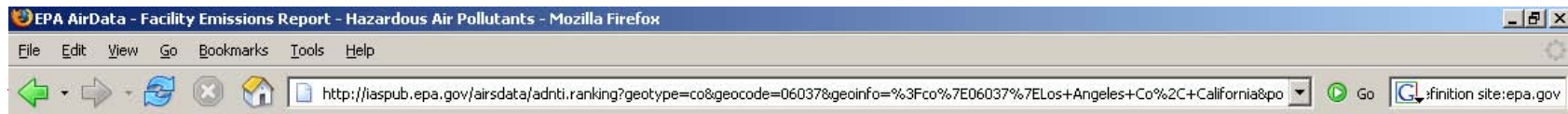
- This map displays % minority & schools in Arvin





# Air Emissions

## www.epa.gov/oar/data/



U.S. Environmental Protection Agency

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## Facility Emissions Report - Hazardous Air Pollutants

**Geographic Area:** Los Angeles Co, CA

**Pollutant:** Tetrachloroethylene [Perchloroethylene]

**Year:** 1999

Emissions in Pounds Per Year

485 Rows

See [Disclaimer](#)

Row #	State	County	Urban / Rural	Facility Name	Facility ID	Pollutant Emissions	% of Total Emissions	Number of HAPs	Facility Detail
<a href="#">SORT</a>	<a href="#">↑</a> <a href="#">↓</a>	<a href="#">↑</a> <a href="#">↓</a>	<a href="#">↑</a> <a href="#">↓</a>	<a href="#">↑</a> <a href="#">↓</a>	<a href="#">↑</a> <a href="#">↓</a>	<a href="#">↑</a> <a href="#">↓</a>	<a href="#">↑</a> <a href="#">↓</a>	<a href="#">↑</a> <a href="#">↓</a>	<a href="#">↑</a> <a href="#">↓</a>
1	CA	Los Angeles Co	Urban	Bp Chemicals (Hitco)	NTICA0371503	185,455	10.35	12	<a href="#">See All HAPs</a>
2	CA	Los Angeles Co	Urban	Douglas Products Division	NTICA0371599	166,959	9.32	12	<a href="#">See All HAPs</a>
3	CA	Los Angeles Co	Urban	Valley Todeco Co, Div Lamson &	NTI21511	112,180	6.26	6	<a href="#">See All HAPs</a>
4	CA	Los Angeles Co	Urban	Northrop Grumman Corp	NTI21085	88,193	4.92	14	<a href="#">See All HAPs</a>
5	CA	Los Angeles Co	Urban	Lefiell Mfg Co	NTI20935	76,599	4.28	9	<a href="#">See All HAPs</a>
6	CA	Los Angeles Co	Urban	Pacific Steel Treating	NTICA0371457	76,294	4.26	1	<a href="#">See All HAPs</a>
7	CA	Los Angeles Co	Urban	Builders Brass Wks Corp (Eis U	NTI20392	65,600	3.66	3	<a href="#">See All HAPs</a>
8	CA	Los Angeles Co	Urban	Lockheed Aeronautical Sys. Co.	NTICA0371321	61,200	3.42	29	<a href="#">See All HAPs</a>
9	CA	Los Angeles Co	Urban	Ryder Aviall, Inc	NTI21257	45,941	2.56	8	<a href="#">See All HAPs</a>
10	CA	Los Angeles Co	Urban	Standard Nickel Chromium Plati	NTI21339	44,456	2.48	2	<a href="#">See All HAPs</a>
11	CA	Los Angeles Co	Urban	Precision Tube Bending	NTI21181	43,180	2.41	11	<a href="#">See All HAPs</a>
12	CA	Los Angeles Co	Urban	Leach Corp, Relay Group	NTI20931	35,757	2.00	8	<a href="#">See All HAPs</a>
13	CA	Los Angeles Co	Urban	Artistic Brass	NTICA0371486	31,932	1.78	4	<a href="#">See All HAPs</a>
14	CA	Los Angeles Co	Urban	Anadite Inc	NTI20286	25,483	1.42	11	<a href="#">See All HAPs</a>
15	CA	Los Angeles Co	Urban	Drilube Company	NTI20601	24,350	1.36	5	<a href="#">See All HAPs</a>
16	CA	Los Angeles Co	Urban	Northrop Grumman Co, Electroni	NTI21086	23,947	1.34	37	<a href="#">See All HAPs</a>
17	CA	Los Angeles Co	Urban	E J S Lighting Corp	NTI20606	21,762	1.21	6	<a href="#">See All HAPs</a>
18	CA	Los Angeles Co	Urban	Punch Press Prods. Inc.	NTICAT\$12581	20,795	1.16	1	<a href="#">See All HAPs</a>
19	CA	Los Angeles Co	Urban	Deluxe Laboratories Inc Deluxe	NTI20575	20,425	1.14	4	<a href="#">See All HAPs</a>

# Toxics Release Inventory (TRI)

www.epa.gov/triexplorer/

EPA TRI Explorer Report(COFA) | US EPA - Mozilla Firefox

File Edit View History Bookmarks Tools Help

US EPA http://www.epa.gov/cgi-bin/broker?view=COFA&trilib=TRIQ1&sort=\_VIEW\_&sort\_fmt=1&state=06&county=06029&chemical= 1220 bush street, arvin, ca

U.S. ENVIRONMENTAL PROTECTION AGENCY

**TRI Explorer**

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You are here: [EPA Home](#) » [TRI](#) » [TRI Explorer\(ver 4.6\)](#) » Reports

## Releases: Facility Report

Data source: 2005 Data Update as of June 8, 2007 [See Note](#) [Go To New Report](#)

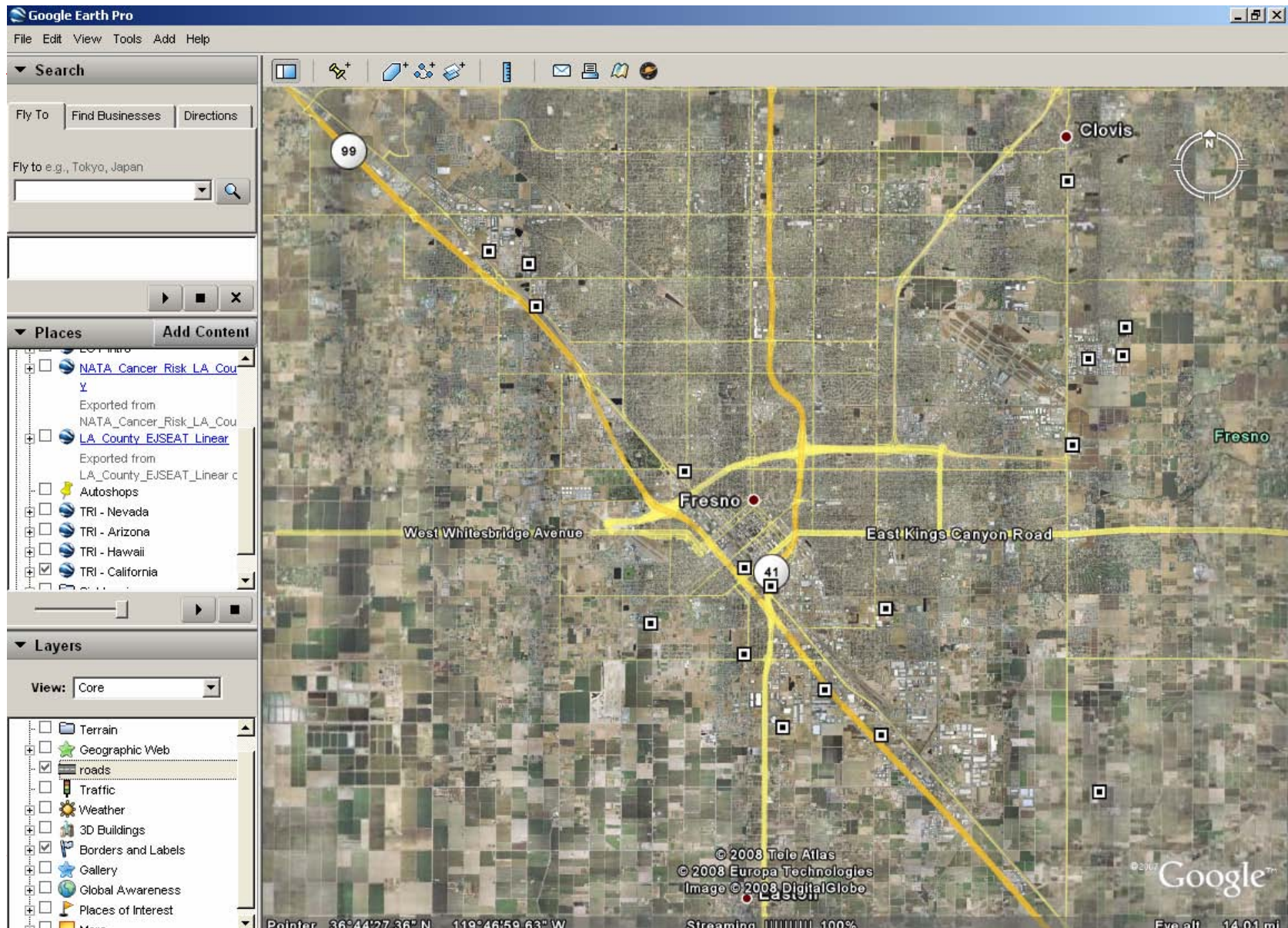
TRI On-site and Off-site Reported Disposed of or Otherwise Released (in pounds), for facilities in All Industries, for All Chemicals, Kern County, California, 2005

Row #	Facility and Chemical	Total On-site Disposal or Other Releases	Total Off-site Disposal or Other Releases	Total On- and Off-site Disposal or Other Releases
1	<b>AMBER CHEMICAL INC, 5201 BOYLAN ST, BAKERSFIELD</b>	NA	NA	NA
	<a href="#">NITRATE COMPOUNDS</a>	NA	NA	NA
	<a href="#">SODIUM NITRITE</a>	NA	NA	NA
2	<b>ARGO CHEMICAL INC, 100 QUANTICO AVE, BAKERSFIELD</b>	750	0	750
	<a href="#">AMMONIA</a>	750	0	750
	<a href="#">ETHYLENE GLYCOL</a>	0	0	0
3	<b>BAE SYSTEMS IESI INC, 1501 SABOVICH ST BLDG 66, MOJAVE</b>	0	1	1
	<a href="#">LEAD</a>	0	1	1
4	<b>BAKER PETROLITE, 5135 BOYLAN ST, BAKERSFIELD</b>	54,815	0	54,815
	<a href="#">1,2,4-TRIMETHYLBENZENE</a>	508	0	508
	<a href="#">CERTAIN GLYCOL ETHERS</a>	1,253	0	1,253
	<a href="#">CUMENE</a>	47	0	47
	<a href="#">ETHYLBENZENE</a>	79	0	79
	<a href="#">ETHYLENE GLYCOL</a>	24	0	24
	<a href="#">METHANOL</a>	51,727	0	51,727
	<a href="#">NAPHTHALENE</a>	15	0	15
	<a href="#">SODIUM NITRITE</a>	5	0	5
	<a href="#">TOLUENE</a>	471	0	471
	<a href="#">XYLENE (MIXED ISOMERS)</a>	687	0	687
5	<b>BIG WEST OF CALIFORNIA REFINERY, 6451 ROSEDALE HWY, BAKERSFIELD</b>	36,750	7,570	44,320
	<a href="#">1,2,4-TRIMETHYLBENZENE</a>	352	38	390
	<a href="#">AMMONIA</a>	17,350	4,900	22,250
	<a href="#">BENZENE</a>	1,251	104	1,355
	<a href="#">BENZO(G,H,I)PERYLENE</a>	0	0	0



# Accessing TRI Data Using Google Earth

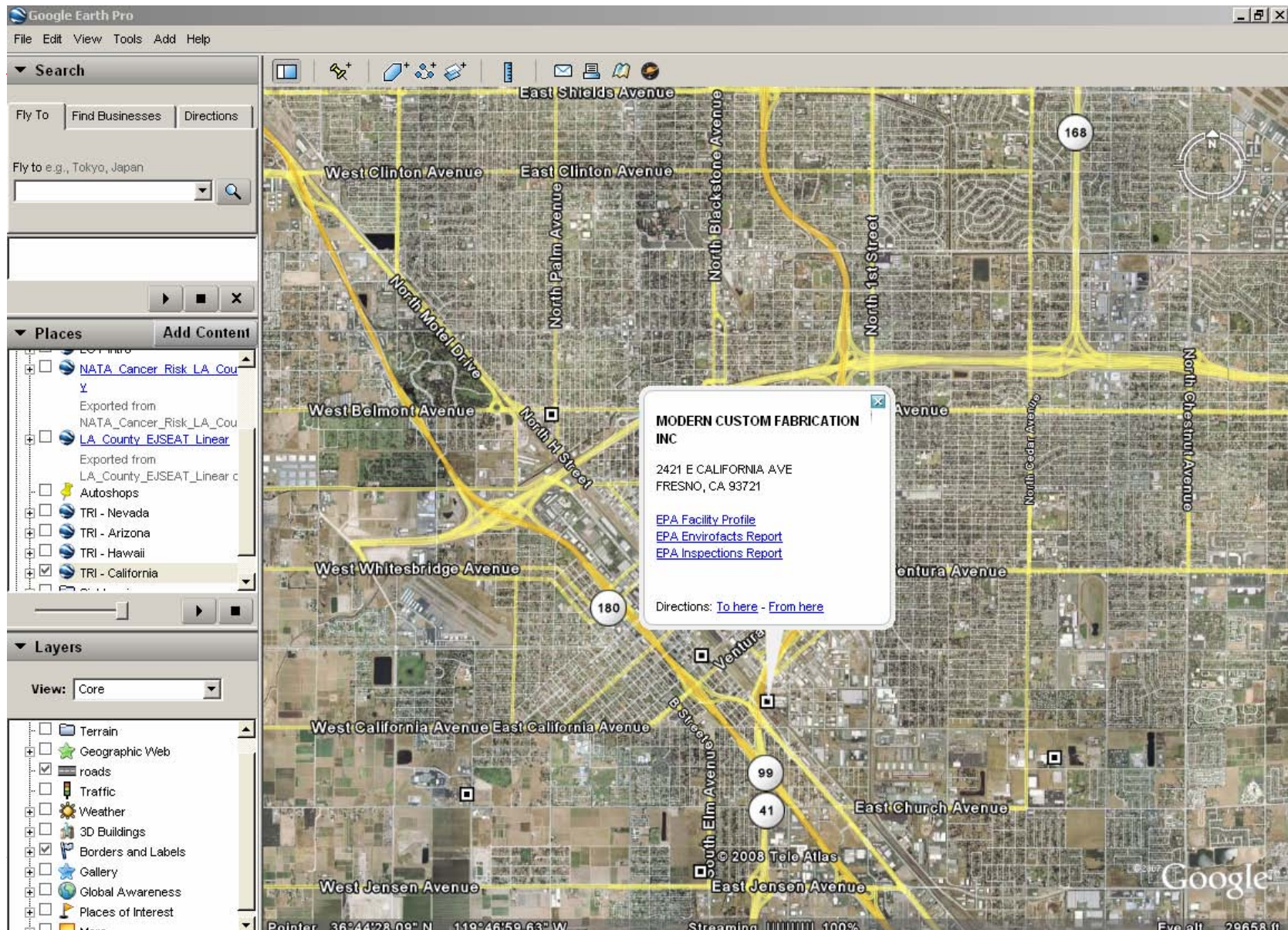
Fresno, CA





# Accessing TRI Data Using Google Earth

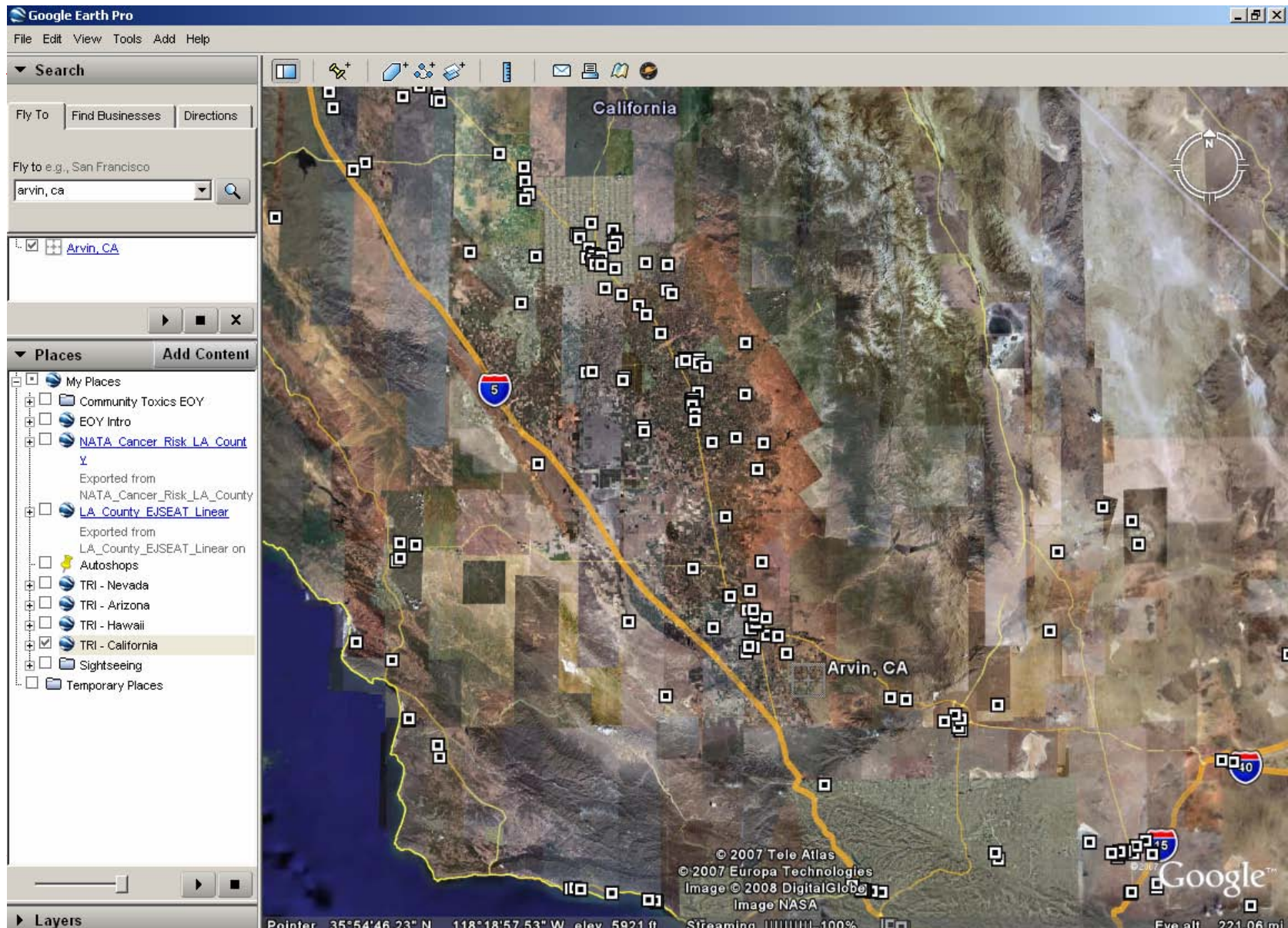
Fresno, CA





# Accessing TRI Data Using Google Earth

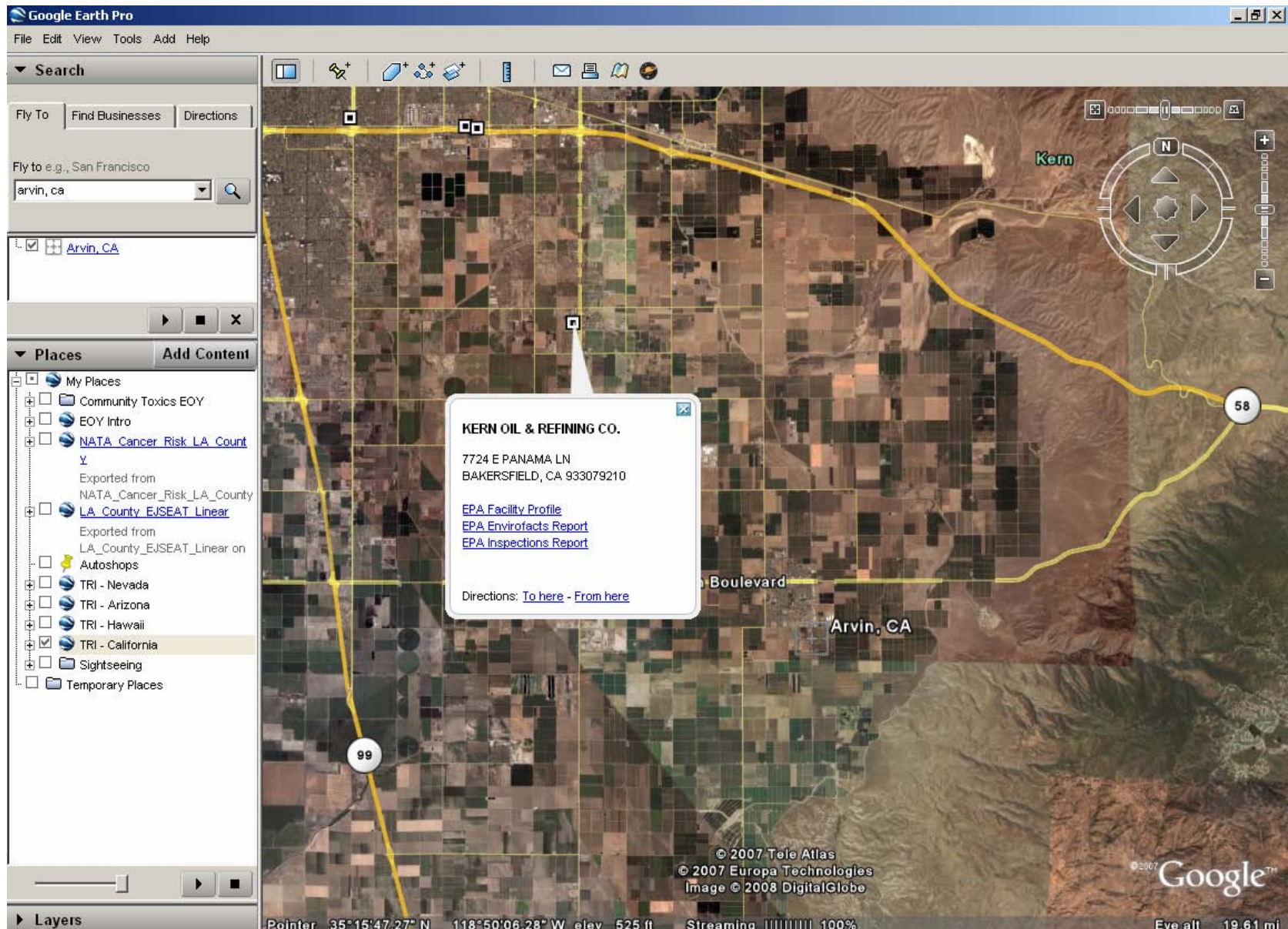
Bakersfield and Arvin, CA





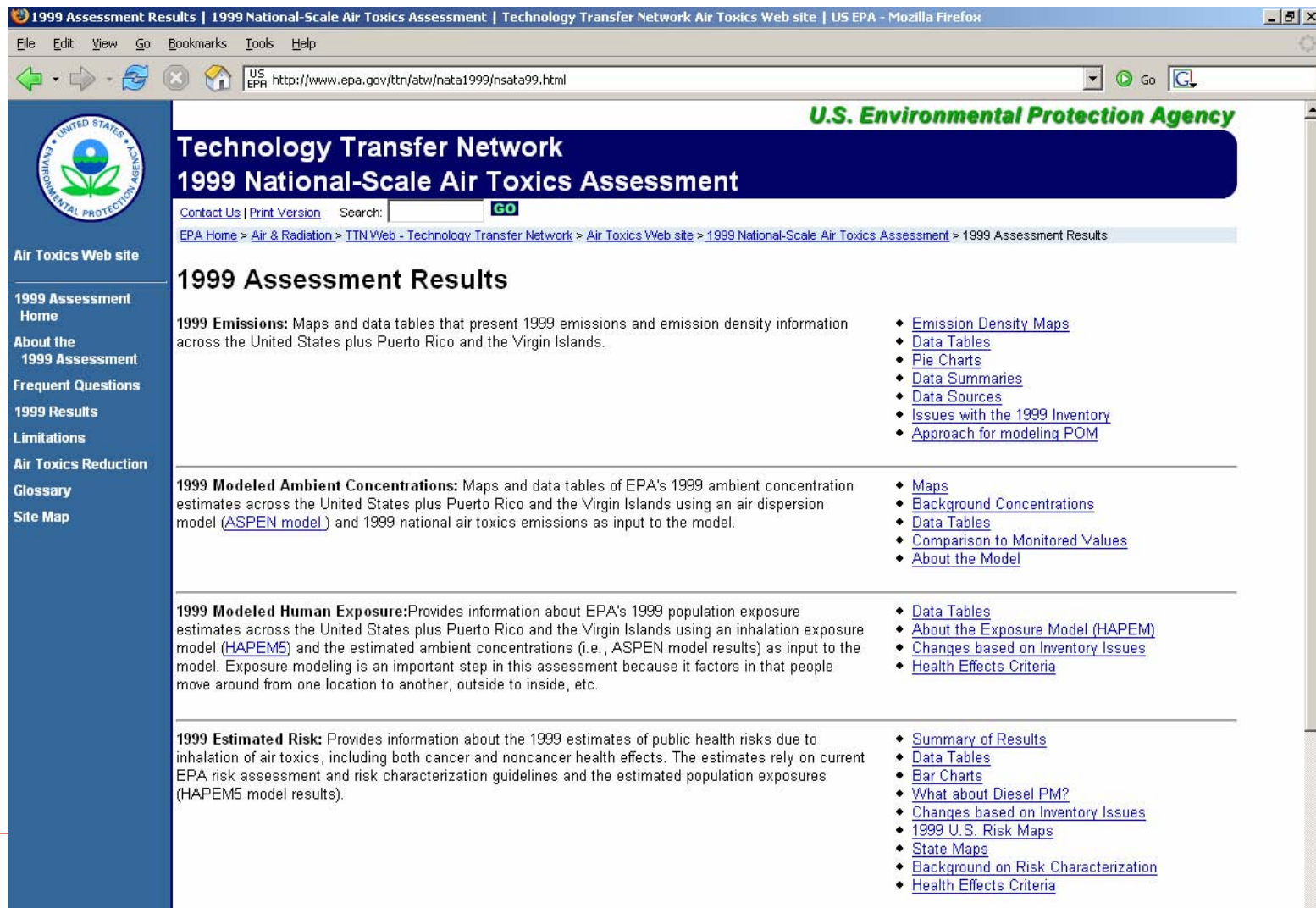
# Accessing TRI Data Using Google Earth

Bakersfield and Arvin, CA



# National-Scale Air Toxics Assessment (NATA)

[www.epa.gov/ttn/atw/nata1999/](http://www.epa.gov/ttn/atw/nata1999/)



1999 Assessment Results | 1999 National-Scale Air Toxics Assessment | Technology Transfer Network Air Toxics Web site | US EPA - Mozilla Firefox

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US EPA <http://www.epa.gov/ttn/atw/nata1999/nsata99.html> Go

**U.S. Environmental Protection Agency**

## Technology Transfer Network 1999 National-Scale Air Toxics Assessment

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[EPA Home](#) > [Air & Radiation](#) > [TTN Web - Technology Transfer Network](#) > [Air Toxics Web site](#) > [1999 National-Scale Air Toxics Assessment](#) > 1999 Assessment Results

### 1999 Assessment Results

**1999 Emissions:** Maps and data tables that present 1999 emissions and emission density information across the United States plus Puerto Rico and the Virgin Islands.

- [Emission Density Maps](#)
- [Data Tables](#)
- [Pie Charts](#)
- [Data Summaries](#)
- [Data Sources](#)
- [Issues with the 1999 Inventory](#)
- [Approach for modeling POM](#)

**1999 Modeled Ambient Concentrations:** Maps and data tables of EPA's 1999 ambient concentration estimates across the United States plus Puerto Rico and the Virgin Islands using an air dispersion model ([ASPEN model](#)) and 1999 national air toxics emissions as input to the model.

- [Maps](#)
- [Background Concentrations](#)
- [Data Tables](#)
- [Comparison to Monitored Values](#)
- [About the Model](#)

**1999 Modeled Human Exposure:** Provides information about EPA's 1999 population exposure estimates across the United States plus Puerto Rico and the Virgin Islands using an inhalation exposure model ([HAPEM5](#)) and the estimated ambient concentrations (i.e., ASPEN model results) as input to the model. Exposure modeling is an important step in this assessment because it factors in that people move around from one location to another, outside to inside, etc.

- [Data Tables](#)
- [About the Exposure Model \(HAPEM\)](#)
- [Changes based on Inventory Issues](#)
- [Health Effects Criteria](#)

**1999 Estimated Risk:** Provides information about the 1999 estimates of public health risks due to inhalation of air toxics, including both cancer and noncancer health effects. The estimates rely on current EPA risk assessment and risk characterization guidelines and the estimated population exposures ([HAPEM5](#) model results).

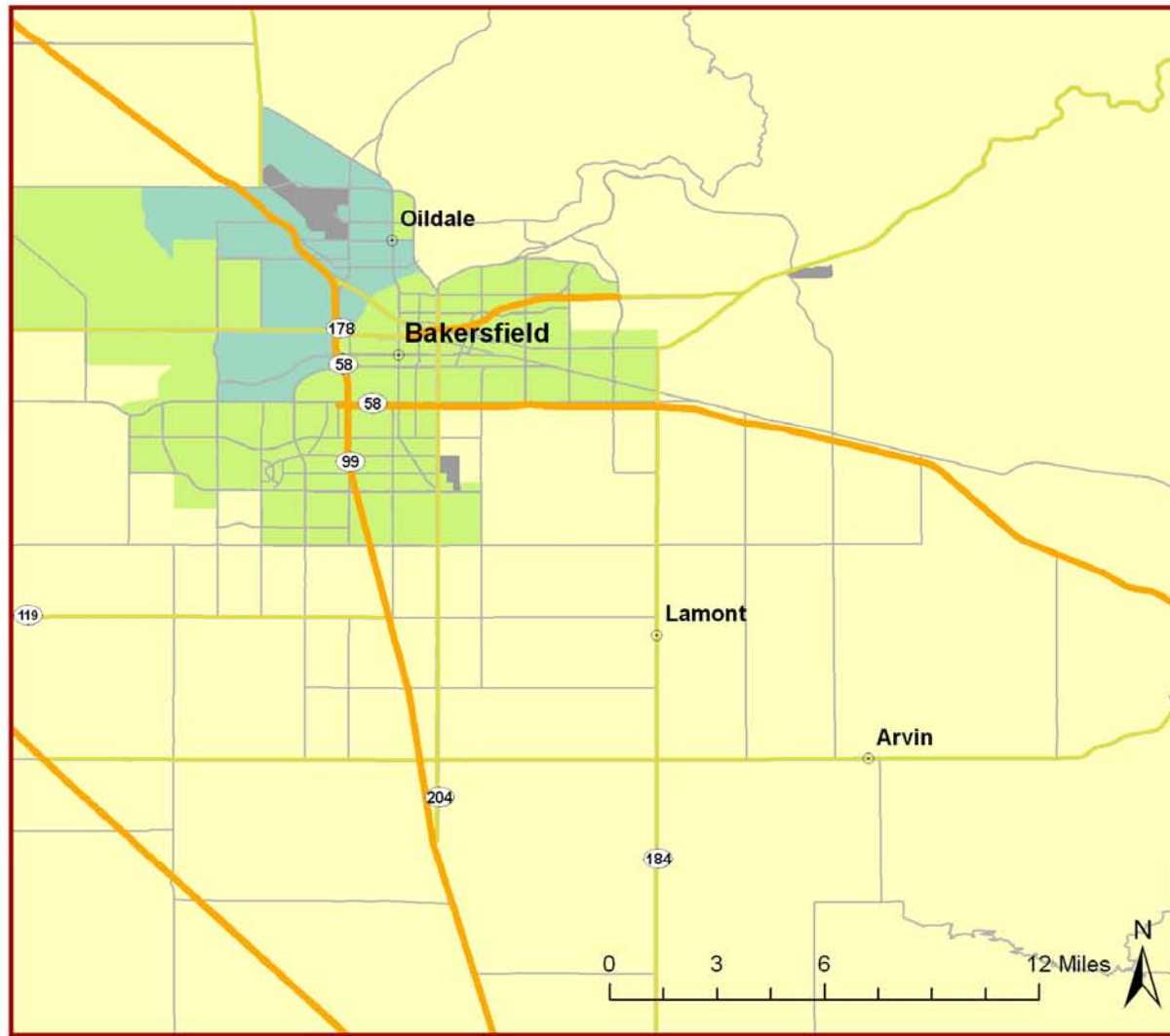
- [Summary of Results](#)
- [Data Tables](#)
- [Bar Charts](#)
- [What about Diesel PM?](#)
- [Changes based on Inventory Issues](#)
- [1999 U.S. Risk Maps](#)
- [State Maps](#)
- [Background on Risk Characterization](#)
- [Health Effects Criteria](#)

**Air Toxics Web site**

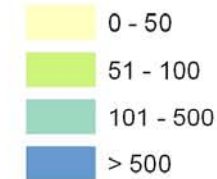
- [1999 Assessment Home](#)
- [About the 1999 Assessment](#)
- [Frequent Questions](#)
- [1999 Results](#)
- [Limitations](#)
- [Air Toxics Reduction](#)
- [Glossary](#)
- [Site Map](#)



# Example NATA Results: Bakersfield and Arvin



## NATA Cancer Risk (in a million)

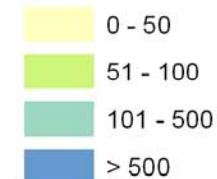




# Example NATA Results: Fresno



## NATA Cancer Risk (in a million)



- Freeways and Expressways
- Interstate, US and State Highways
- Major Roads
- Airports



# State Tools: California's CHAPIS

- Community Health Air Pollution Information System (CHAPIS):
  - web-based mapping tool that allows users to view local sources of air pollution
  - shows emissions from major facilities, smaller area-wide sources (e.g. gas stations), and mobile sources

California Home Search Site Map Links Software Contact Us

Welcome to California

California Air Resources Board CHAPIS Community Health Air Pollution Information System

Welcome to CHAPIS - The Community Health Air Pollution Information System Last Updated June 1, 2004

The California Air Resources Board (ARB) developed CHAPIS as an Internet-based tool to provide a graphical way to look at the amounts and spatial distribution of air pollution emission sources in California. CHAPIS provides a mapping tool to analyze the spatial characteristics of California's Air Pollutant [Emission Inventory](#), for emissions of [traditional criteria air pollutants](#) and key [toxic air pollutants](#). This is a prototype, showing [selected data](#) from the ARB and [local Districts](#), for [point source](#), [mobile source](#), and [dispersed source](#) emissions data. For online help or more information about CHAPIS, click [here](#). To begin using CHAPIS, select an area of interest using the menus or map provided below.

**Select an Area of Interest:**

Select an area of interest using the menus below or use the map, and click on the county of your choice.

County:


Air Basin:

Air District:

Region:

Or Enter a Zip Code:

\* This website is best viewed with your screen area set to 1024 x 768 px.



[www.arb.ca.gov/ch/chapis1/chapis1.htm](http://www.arb.ca.gov/ch/chapis1/chapis1.htm)

# Community Perspective

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Key Steps to Successfully Receiving and  
Completing an EPA Grant